

BBMP

BRUHAT BENGALURU MAHANAGARA PALIKE

RR NAGAR PROJECT

MODIFIED ESTIMATION



NAME OF WORK: MODIFIED OF ADDITIONAL WORKS TO
CONSTRUCTION OF SHUTTLE COCK GROUND IN WARD
NO 17 RR NAGAR CONSTITUENCY

BRUHAT BENGALURU MAHANAGARA PALIKE

NAME OF THE WORK: Modified of Additional works to construction of shuttle cock Ground In Ward No 17 RR Nagar constituency

Name Of Work : Construction of Toilets Block to Shuttle Court Ground In J P Park Ward No 17

TOILET BLOCK - 6 No's

Sl. No.	Item of Work	Unit	No	L	B	D	Qty	Rate	Amount (Rs)
1	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. I No 15.33/117								
	Bath/toilet	Sqm	6	7.60	-	0.30	13.68		
	Corridor		1	36.80	-	0.30	11.04		
	Ceiling		1	12.80	5.60	-	71.68		
	Basic Rate	=	32.00					96.40	
	6% Area weightage	=	1.92						
	TP =+9.99%		3.39						
	Total	=	37.31					96.40	37.31
									3596.55
2	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.As Per Direction of Engineer Incharge								
	Bath/toilet	Sqm	6	7.60	-	0.30	13.68		
	Corridor		1	36.80	-	0.30	11.04		
	Ceiling		1	12.80	5.60	-	71.68		
							96.40		
							96.40	92.66	8932.00
3	For Ceiling Plastering:- Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge								
	Ceiling plastering	Sqm	1	12.80	5.60	-	71.68		
							71.68	242.33	17370.21
4	Plastering-Internal:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering: Providing and removing scaffolding, Providing Lime rendering for plastering to ceiling including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge								
	Inside plastering	Sqm							
	Bath/toilet	Sqm	6	7.60	-	2.40	109.44		
	Corridor		1	36.80	-	2.40	88.32		
							197.76		
	Deduction:-								

		3	0.90	-	2.10	5.67		
		6	0.75	-	2.10	9.45		
D		1	1.98	-	1.20	2.38		
D1		6	0.75	-	0.60	2.70		
W						20.20		
V1						177.56		
					20.20			
		Net Qty =	197.76	-				
						177.56	310.04	
								55051.91
5	For External Plastering:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge.							
	<u>Outside plastering</u>	Sqm						
	Outer length		1	38.40		2.40	92.16	
	<u>Deduction:-</u>							
	D		1	0.90	-	2.10	1.89	
	W		1	1.98	-	1.20	2.38	
	V1		6	0.75	-	0.60	2.70	
							6.97	
				6.97	/	2.00	3.48	
		Net Qty =	92.16	-	3.48	88.68		
						88.68	310.04	27493.40
6	Providing ceramic tiles of approved make, shade and size 30 x 30cms for flooring, treads of steps and landings laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. As Per Direction of Engineer Incharge							
	Bath	Sqm	4	2.00	1.80	-	14.40	
	Toilet		4	2.00	1.80	-	14.40	
	Corridor		1	8.50	1.80	-	15.30	
	do		1	4.30	5.60	-	24.08	
							68.18	
							68.18	1437.35
								97998.48
7	Providing skirting dado, raises of steps with colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using galzed tiles of approved amke and size including cost of materials, labour, complete as per specifications. As Per Direction of Engineer Incharge							
	Bath	Sqm	3	7.60	-	2.10	47.88	
	Toilet		3	7.60	-	2.10	47.88	
	Corridor		1	36.80	-	2.10	77.28	
							173.04	
	<u>Deduction:-</u>							
	D		3	0.90	-	2.10	5.67	

D1		3	0.75	-	2.10	4.73		
D1		3	0.75	-	1.80	4.05		
						14.45		
		Net Qty =	173.04	-	14.45	158.60		
						158.60	1509.81	239448.43
8	Providing and fixing 65mmx125mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM) U.V- stabilized Isophthalic Gelcoat and Isophthalic resin. The thickness of the GRP skin shall not be less than 2.0mm. The doorframe consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for high screw holding capacity for fixing metalling hold fast and shall be consolidated by filling with medium density foam/Plaster of Paris with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. I No 9.96/63							
D1	Mtr	6	6.30	-		37.80		
Basic Rate	=	550.00						
6% Area weightage	=	33.00						
TP =+9.99%		58.24						
Total	=	641.24				37.80	641.24	24238.94
9	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V- stabilizes Isophthalic Gelcoat and on layer of 45 gms E-Glass Chopped strand Mat (CSM), impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20kg/m3 shall be used as core material. Wooden reinforcements made of seasoned salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles etc., shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core materials, the salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC composites design centre standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutter will be plain colour white/ivory/beige/light grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (P.No.64, I.No.9.93)							
D1	Sqm	6	0.75	-	2.10	9.45		
Basic Rate	=	3000.00						
6% Area weightage	=	180.00						
TP =+9.99%		317.68						
Total	=	3497.68				9.45	3497.68	33053.09

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10	KSRB 7.17 : Providing, fabricating, assembling and fixing in position <u>aluminium doors</u> using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames thoroughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. I No 7.17.2/39							
	D	Sqm	2	0.90	-	2.10	3.78	
	Basic Rate	=	6220.00					
	6% Area weightage	=	373.20					
	TP =+9.99%		658.66					
	Total	=	7251.86			3.78	7251.86	27412.03
11	KSRB 7.13 : Providing and fixing <u>aluminium casement windows</u> , combination of fixed glazing at top fully open able windows using Z sections of 33mm, web thickness 4mm, weight 0.663 kg/m; central mullion section 59x33mm with web thickness 3mm section weight 1.123kg/m; the shutters on aluminium hinges with approved quality of fixtures such as aluminium tower bolts, handles, stays etc., providing and fixing 5.5mm plain glass for shutters fitted with glazed clips 19mmx17.3mmx11mm. 0.9mm thick and rubber beading, aluminium sections cutting to required length, joints metered, subdividing th frame tenoned and riveted, assembled frame to be stiffened with end clips at corner, angles and fixed to wall, lintel beam, floor; cill, as the case may be with necessary screws, rawl plugs, cutting masonry or concrete and making good the original surface; aluminium surface pretreated for removal of any rust and coated with greasy materials for non-adherence of mortar or any other sticky materials; (coating removed after installation) and thoroughly cleaned free from dirt, rust etc., including cost of materials, fixtures, labour and HOM complete as per specifications. -do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. I No 7.13.2/36							
	W	Sqm	1	1.98	-	1.20	2.38	
	Basic Rate	=	4861.00					
	6% Area weightage	=	291.66					
	TP =+9.99%		514.75					
	Total	=	5667.41			2.38	5667.41	13465.77

Providing & Fixing Mosquito mesh shutters made out of Stainless Steel mosquito proof mesh with 95% & above visibility which is fixed to the powder coated aluminium frame 32mm thick of approved shade. The work including fixing the shutters with necessary accessories, to complete as per specification including the labour charges for fixing the shutter to the existing frames. I No 9,103/64

W	Sqm	1	1.98	-	1.20	2.38		
Basic Rate	=	3200.00						
6% Area weightage	=	192.00						
TP =+9.99%		338.86						
Total	=	3730.86				2.38	3730.86	8864.53
13 Providing and fixing M.S.grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. As Per Direction of Engineer Incharge								
W	Sqm	1	1.98	-	1.20	2.38		
			2.38	x	25kg/sqm	59.40		
						59.40	112.85	6703.27
14 KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. I No 15.74								
	Sqm	1	1.98	-	1.20	2.38		
						2.38	112.85	268.13
15 Providing & fixing factory made Galvanized <u>steel door Shutters</u> 32 mm thick manufactured from pre- painted Aluminium-zinc metallic coated steel sheet 0.60 mm thick conforming to the IS: 15961. The door shutters consist of two outer skins of steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for all hardware fixtures. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size – 650 x 2035 x 32 mm thick. I No 38.50.3/314								
D	Sqm	1	0.90	-	2.10	1.89		
Basic Rate	=	2500.00						
6% Area weightage	=	150.00						
TP =+9.99%		264.74						
Total	=	2914.74				1.89	2914.74	5508.85

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16	Providing & fixing factory made Galvanized plain <u>steel door frame</u> of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre-punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pretreatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size 1000 x 2130 mm I No 38.49.1/313							
	D	Mtr	1	6.60	-	-	6.60	
	Basic Rate	=	545.00					
	6% Area weightage	=	32.70					
	TP =+9.99%		57.71					
	Total	=	577.70			6.60	577.70	3812.82
17	"Providing and fixing cold rolled prepainted <u>steel windows</u> of IS standards, made out of 0.6mm thick deep drawing quality galvanised on both sides 120gms/sq.mtr. Primer coat upto 5 microns with thermosetting epoxy resin and finish painted with a polyester based paint 20 microns thick. The size of profiles is approximately 46x52mm for external frames, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self tapping screws. The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylon and hinges made out of CRCA powder coated. 4mm thick glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizontally at 125mm C/C by rivetting to the external frame. The above frames are fixed to the concrete / masonry walls by means of self expanding screws." c) - do- with 4mm float glass with guard bars I No 7.24.1 (c)/41							
	V	Sqm	6	0.75	-	0.60	2.70	
	Basic Rate	=	5250.00					
	6% Area weightage	=	315.00					
	TP =+9.99%		555.94					
	Total	=	6120.94			2.70	6120.94	16526.55
18	KSRB 15-14.1 : Providing and applying two coats with <u>oil bound washable distemper</u> of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. I No 15.49.1 KSRB 15-14.2 : Extra over Item KSRB 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications. I No 15.49.1/119							
	<u>Ceiling painting</u>	Sqm	1	12.80	5.60	-	71.68	
	Basic Rate	=	110.00					

	6% Area weightage	=	6.60					
	TP =+9.99%		11.65					
	Total	=	128.25			71.68	128.25	9192.84
19	KSRB 15-14.2 : Extra over Item KSRB 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications. I No 15.49.2/119							
	<u>Ceiling painting</u>	Sqm	1	12.80	5.60	-	71.68	
	Basic Rate	=	8.00					
	6% Area weightage	=	0.48					
	TP =+9.99%		0.85					
	Total	=	9.33			71.68	9.33	668.57
20	KSRB 15-14.1 : Providing and applying two coats with <u>oil bound washable distemper</u> of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. I No 15.49.1/119							
	<u>Inside wall painting</u>	Sqm						
	Bath/toilet		6	7.60	-	0.30	13.68	
	Corridor		1	36.80	-	0.30	11.04	
	Basic Rate	=	110.00				24.72	
	6% Area weightage	=	6.60					
	TP =+9.99%		11.65					
	Total	=	128.25			24.72	128.25	3170.30
21	KSRB 15-16.1 : Providing and finishing external walls in two coats with <u>waterproof cement paint</u> of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do- with primer I No 15.53.2/120							
	<u>Outside painting</u>	Sqm						
	Outer length		1	38.40		2.40	92.16	
	<u>Deduction:-</u>							
	D		1	0.90	-	2.10	1.89	
	W		1	1.98	-	1.20	2.38	
	V		6	0.75	-	0.60	2.70	
							6.97	
				6.97	/	2.00	3.48	
		Net Qty =	92.16	-	3.48	88.68		
	Basic Rate	=	102.00					
	6% Area weightage	=	6.12					
	TP =+9.99%		10.80					
	Total	=	118.92			88.68	118.92	10545.57
22	KSRB 15-16.3 : Extra for providing and applying every subsequent coat of waterproofing cement paint of approved brand and shade for Item no.15-16.1 cost of materials, labour, complete as per specifications. I No 15.53.3/120							

Extra for two coat Outside painting									
Outer length		1	38.40		2.40	92.16			
<u>Deduction:-</u>									
D		1	0.90	-	2.10	1.89			
W		1	1.98	-	1.20	2.38			
V		6	0.75	-	0.60	2.70			
						6.97			
			6.97	/	2.00	3.48			
		Net Qty =	92.16	-	3.48	88.68			
Basic Rate	=	34.00							
6% Area weightage	=	2.04							
TP =+9.99%		3.60							
Total	=	39.64				88.68	39.64	3515.19	
23	Providing and fixing unplasticised <u>PVC pipes</u> with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. -do- with <u>225mm outer dia</u> 1 No 11.56.6/77								
	Mtr	8	6.00			48.00			
Basic Rate	=	1909.00							
6% Area weightage	=	114.54							
TP =+9.99%		202.15							
Total	=	2225.69				48.00	2225.69	106833.20	
24	Constructing brick masonry inspection chamber 600 x 600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600 x 600mmAs Per Direction of Engineer Incharge								
	Nos	18				18.00			
						18.00	10085.20	181533.66	
25	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 110mm outer diaAs Per Direction of Engineer Incharge								
	Mtr	1	55.00			55.00			
						55.00	719.86	39592.44	
26	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes As Per Direction of Engineer Incharge								
	Mtr	1	70.00			70.00			

						70.00	348.05	24363.66
27	Providing and fixing chlorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall)-20mm dia As Per Direction of Engineer Incharge							
	Mtr	1	50.00			50.00		
						50.00	279.15	13957.73
28	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 As Per Direction of Engineer Incharge							
	Nos	3				3.00		
						3.00	5887.19	17661.58
29	Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. As Per Direction of Engineer Incharge							
	Nos	4				4.00		
						4.00	3588.62	14354.49
30	Providing Pedestal for wash basin of approved 1st quality and make conforming to ISI specifications and fixing for low down cistern as directed, rate includes cost of materials and conveyance to work spot. As Per Direction of Engineer Incharge							
	Nos	4				4.00		
						4.00	1069.10	4276.41
31	-Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost materials, labor complete as per specifications (As Per Direction of Engineer Incharge							
	Nos	4				4.00		
						4.00	1349.45	5397.78

32	Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P. brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labor complete as per specifications. As Per Direction of Engineer Incharge						6.00		
		Nos	6						
							6.00	877.85	5267.11
33	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. As Per Direction of Engineer Incharge						15.00		
		Eac	15						
							15.00	205.51	3082.58
34	KSRB 12-5.5 : Constructing <u>brick masonry circular type</u> manhole 1.52 m internal dia at bottom, 2.30m deep and 0.56m dia at top, with table moulded and non-modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 mixed using 40mm and down size granite metal and making necessary channel in cement concrete 1:2:4 mix with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechaneries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4 I No 11.41/74								
		Nos	1				1.00		
	Basic Rate	=	45878.00						
	6% Area weightage	=	2752.68						
	TP =+9.99%		4858.20						
	Total	=	53488.88				1.00	53488.88	53488.88
35	KSRB 12-6.1 : Providing 20mm square <u>M.S footrest</u> and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6 I No 11.44/75								
		Nos	1				1.00		
	Basic Rate	=	276.00						
	6% Area weightage	=	16.56						
	TP =+9.99%		29.23						
	Total	=	321.79				1.00	321.79	321.79

36	KSRB 12-7.2 : <u>Making connection of drain or sewer line</u> of size 250 to 300mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete M 15 with 20mm and downsize granite metal, cement plastered on both sides of mix 1:3, finished with a floating coat of neat cement, and making necessary channels for the drain, including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS I No 11.47/75							
	Nos	2				2.00		
Basic Rate	=	2691.00						
6% Area weightage	=	161.46						
TP =+9.99%		284.96						
Total	=	3137.42				2.00	3137.42	6274.84
37	Providing and placing on terrace. Polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22As Per Direction of Engineer Incharge							
	Nos	2				2.00		
						2.00	8110.93	16221.85
TOILET BLOCK - 10 No's								
1	KSRB 200-8 <u>Clearing and grubbing</u> uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials, labour charges complete as per specifications. MORTH Chapter 2 (Page No. 138, I.No.18.11)							
	Sqm	1	10.00	8.00	-	80.00		
Basic Rate	=	10.00						
6% Area weightage	=	0.60						
TP =+9.99%		1.06						
Total	=	11.66				80.00	11.66	932.72
2	Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, As Per Direction of Engineer Incharge							
Alround	Cum	1	25.00	0.90	1.05	23.63		
Cross wall		2	6.10	0.90	1.05	11.53		
do		8	0.80	0.90	1.05	6.05		
do		1	4.30	0.90	1.05	4.06		
Flagging		1	21.60	0.75	0.15	2.43		
Steps		1	1.50	1.50	0.15	0.34		
Man hole		1	$(3.14 \times 1.8^2)/4$		2.50	6.36		
						54.39		
						54.39	533.36	29010.44

3	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (P.No.7, I No.2.10)							
	Qty same as vide item no (2)	Cum					54.39	
	Basic Rate	=	201.00					
	6% Area weightage	=	12.06					
	TP =+9.99%		21.28					
	Total	=	234.34				54.39	234.34
4	KSRB 2.5 : Earthwork excavation in soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1 (P.No.7, I No.2.12)							12746.36
	<u>Earth filling</u>	Cum	11	0.90	1.25	0.50	4.50	
	do		1	6.55	1.65	0.50	5.40	
	Basic Rate	=	403.00				9.90	
	6% Area weightage	=	24.18					
	TP =+9.99%		42.68					
	Total	=	469.86				9.90	469.86
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. As Per Direction of Engineer Incharge.							
	Alround	Cum	1	25.00	0.90	0.15	3.38	
	Cross wall		2	6.10	0.90	0.15	1.65	
	do		8	0.80	0.90	0.15	0.86	
	do		1	4.30	0.90	0.15	0.58	
	Flagging		1	21.60	0.75	0.10	1.62	
	Steps		1	1.50	1.50	0.10	0.23	
	<u>Flooring Concrete</u>		10	0.90	1.25	0.10	0.90	
	do		1	6.55	1.65	0.10	1.08	
							10.29	
							10.29	6169.91
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. As Per Direction of Engineer Incharge							63502.27
	Flagging	Cum	1	21.60	0.75	0.10	1.62	

Plinth Concrete								
Alround	Cum	1	25.00	0.45	0.15	1.69		
Cross wall		2	6.55	0.45	0.15	0.88		
do		8	1.25	0.45	0.15	0.68		
do		1	4.30	0.45	0.15	0.29		
						5.16		
						5.16	6440.75	33214.95
7 Providing and constructing granite size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge								
<u>1st Coarse</u>	Cum							
Alround		1	25.00	0.75	0.40	7.50		
Cross wall		2	6.25	0.75	0.40	3.75		
do		8	0.95	0.75	0.40	2.28		
do		1	4.30	0.75	0.40	1.29		
<u>2nd Coarse</u>								
Alround		1	25.00	0.60	0.40	6.00		
Cross wall		2	6.40	0.60	0.40	3.07		
do		8	1.10	0.60	0.40	2.11		
do		1	4.30	0.60	0.40	1.03		
						27.04		
						27.04	5459.55	147604.44
8 Providing and Constructing Granite /size stone masonry in Basement with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge								
Alround	Cum	1	25.00	0.45	0.45	5.06		
Cross wall		2	6.55	0.45	0.45	2.65		
do		8	1.25	0.45	0.45	2.03		
do		1	4.30	0.45	0.45	0.87		
						10.61		
						10.61	6513.21	69111.69
9 Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:4 I No 34.13.1/256								
Alround	Sqm	1	25.80	-	0.45	11.61		
Basic Rate	=	140.00						
6% Area weightage	=	8.40						
TP =+9.99%		14.83						
Total	=	163.23				11.61	163.23	1895.04

10	Providing and constructing non load bearing wall with Light Weight Concrete (Autoclaved aerated concrete) Blocks confirming to IS:2185(part-3) 1984 and IS 6441-1972 of compressive strength of 3.0N/sq mm with a thin layer of polymer based jointing solvent for super structure with neccesary scaffolding, curing including cost of all materials, labour, lead& lift etc, complete as per specifications. - do - with 600x200x200mm size Blocks I No 6.32.3/31						
	Alround	Sqm	1	25.00	-	2.40	60.00
	Cross wall		1	6.80	-	2.40	16.32
	do		1	5.40	-	2.40	12.96
							89.28
	Deductions						
	D		1	0.90	-	2.10	1.89
	D1		10	0.75	-	2.10	15.75
	V		13	0.75	-	0.60	5.85
	W		1	1.20	-	0.90	1.08
							24.57
		Net Qty =	89.28	-	24.57	64.71	
	Basic Rate	=	1694.00				
	6% Area weightage	=	101.64				
	TP =+9.99%		179.38				
	Total	=	1975.02			64.71	1975.02
							127803.83
11	Providing and constructing non-load bearing wall with Solid cement concrete solid blocks of size 400x100x200mm having a block density not less than 1800 Kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to I.S: 2185 (part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 As Per Direction of Engineer Incharge						
	Cross wall	Sqm	8	1.50	-	2.40	28.80
	do		1	4.30	-	2.40	10.32
	Front steps		1	1.50	-	1.50	2.25
	do		1	1.50	-	1.20	1.80
	do		1	1.50	-	0.90	1.35
	do		1	1.50	-	0.60	0.90
	do		1	1.50	-	0.30	0.45
							45.87
						45.87	963.38
							44190.26

- 2 Providing and laying in position plain reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @0.47cum, with superplasticisers @3ltrs confirming to IS9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls(any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. As Per Direction of Engineer Incharge

<u>Lintel Concrete</u>	Cum							
Alround	Sqm	1	25.00	0.20	0.15	0.75		
Cross wall		1	6.80	0.20	0.15	0.20		
do		1	5.40	0.20	0.15	0.16		
do		1	4.30	0.20	0.15	0.13		
						1.25		
						1.25	7180.81	8940.10

- 13 Providing and laying in position Reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and Down Size graded granite metal coarse aggregate @ 0.05865cum and fine aggregate @0.0391 cum, with Super plasticisers @0.225ltrs, machine mixed, well compacted for plain Chajja of 8.5cms. Average thickness, upto ground floor level, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. As Per Direction of Engineer Incharge

<u>Chajja Concrete</u>	Sqm							
D		1	1.20	-	0.60	0.72		
V		13	0.90	-	0.60	7.02		
						7.74		
						7.74	589.19	4560.36

- 14 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, buttresses, plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2As Per Direction of Engineer Incharge

<u>Plinth centering</u>								
Alround	Cum	1x2	25.00	-	0.15	7.50		
Cross wall		2x2	6.55	-	0.15	3.93		
do		8x2	1.25	-	0.15	3.00		
do		1x2	4.30	-	0.15	1.29		
						15.72		
						15.72	425.27	6685.17

15	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. - As Per Direction of Engineer Incharge						
	<u>Lintel centering</u>						
	Alround	Cum	1x2	25.00	-	0.15	7.50
	Cross wall		1x2	6.80	-	0.15	2.04
	do		1x2	5.40	-	0.15	1.62
	do		1x2	4.30	-	0.15	1.29
							12.45
							12.45
							346.86
							4318.46
16	KSRB 4-6.10 : <u>Providing and removing centering, shuttering, strutting, propping etc.,</u> and removal of form work for <u>chajja</u> , corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 I NO 4.37/17						
	<u>Chajja centering</u>						
	D	Sqm	1	1.20	-	0.60	0.72
	V		13	0.90	-	0.60	7.02
							7.74
	Basic Rate	=	323.00				
	6% Area weightage	=	19.38				
	TP =+9.99%		34.20				
							7.74
	Total	=	376.58				376.58
							2914.76
17	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebtrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. TMT Bars Fe-500 As Per Direction of Engineer Incharge						
	Lintel	T	1.25	x	150 kg/cum	186.75	
	Chajja		7.74	x	25 kg/sqm	193.50	
						380.25	
						0.38	
						0.38	
						0.38	76512.12
							29093.74
18	KSRB15-7 : Providing <u>lime rendering for plastering to wall</u> and ceiling, including cost of materials, labour, curing complete as per specifications. I No 15.33/117						
	Bath/toilet	Sqm	8	5.50	-	0.30	13.20
	do		2	4.30	-	0.30	2.58
	Corridor		1	20.60	-	0.30	6.18
	Basic Rate	=	32.00				
	6% Area weightage	=	1.92				
	TP =+9.99%		3.39				
	Total	=	37.31				21.96
							37.31
							819.30

9 Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. As Per Direction of Engineer Incharge

Bath/toilet	Sqm	8	5.50	-	0.30	13.20		
do		2	4.30	-	0.30	2.58		
Corridor		1	20.60	-	0.30	6.18		
						21.96		
						21.96	92.66	2034.72

20 Plastering-Internal:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering: Providing and removing scaffolding, Providing Lime rendering for plastering to ceiling including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge

<u>Inside plastering</u>	Sqm							
Bath/toilet	Sqm	8	5.50	-	2.40	105.60		
do		2	4.30	-	2.40	20.64		
Corridor		1	20.60	-	2.40	49.44		
						175.68		
<u>Deduction:-</u>								
D		1	0.90	-	2.10	1.89		
D1		10	0.75	-	2.10	15.75		
V		13	0.75	-	0.60	5.85		
W		1	1.20	-	0.90	1.08		
						24.57		
		Net Qty =	175.68	-	24.57	151.11		
						151.11	310.04	46850.12

21 For External Plastering:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge.

<u>Outside plastering</u>	Sqm							
Outer length		1	25.80		2.40	61.92		
Toilet		1	4.50		2.40	10.80		
						72.72		
<u>Deduction:-</u>								
D		1	0.90	-	2.10	1.89		
V		13	0.75	-	0.60	5.85		
W		1	1.20	-	0.90	1.08		
						8.82		
			8.82	/	2.00	4.41		

Scanned by TapScanner

D		10	6.30	-		63.00		
Basic Rate	=	550.00				69.60		
6% Area weightage	=	33.00						
TP =+9.99%		58.24						
Total	=	641.24				69.60	641.24	44630.42

- 25 Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V- stabilizes Isophthalic Gelcoat and on layer of 45 gms E-Glass Chopped strand Mat (CSM), impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20kg/m³ shall be used as core material. Wooden reinforcements made of seasoned salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles etc., shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core materials, the salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC composites design centre standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutter will be plain colour white/ivory/beige/light grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (P.No.62, I.No.9.93)

D	Sqm	1	0.90	-	2.10	1.89		
D1		10	0.75	-	2.10	15.75		
Basic Rate	=	3000.00				17.64		
6% Area weightage	=	180.00						
TP =+9.99%		317.68						
Total	=	3497.68				17.64	3497.68	61699.11

- 26 "Providing and fixing cold rolled prepainted steel windows of IS standards, made out of 0.6mm thick deep drawing quality galvanised on both sides 120gms/sq.mtr. Primer coat upto 5 microns with thermosetting epoxy resin and finish painted with a polyester based paint 20 microns thick. The size of profiles is approximately 46x52mm for external frames, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self tapping screws. The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylon and hinges made out of CRCA powder coated. 4mm thick glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizontally at 125mm C/C by rivetting to the external frame. The above frames are fixed to the concrete / masonry walls by means of self expanding screws." c) - do- with 4mm float glass with guard bars I No 7.24.1 (c)/41

V	Sqm	13	0.75	-	0.60	5.85		
Basic Rate	=	5250.00						
6% Area weightage	=	315.00						
TP =+9.99%		555.94						
Total	=	6120.94				5.85	6120.94	35807.52

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27	Providing and fixing M.S.grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. As Per Direction of Engineer Incharge							
	Kgs	1	1.20	0.90		1.08		
			1.08	x	25kg/sqm	27.00		
						27.00	112.85	
28	KSRB 15-14.1 : Providing and applying two coats with <u>oil bound washable distemper</u> of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. I No 15.49.1/119							
	<u>Inside wall</u>	Sqm						
	Bath/toilet		8	5.50	-	0.30	13.20	
	Toilet		2	4.30	-	0.30	2.58	
	Corridor		1	20.60	-	0.30	6.18	
	Basic Rate	=	110.00				21.96	
	6% Area weightage	=	6.60					
	TP =+9.99%		11.65					
	Total	=	128.25			21.96	128.25	
29	KSRB 15-16.1 : Providing and finishing external walls in two coats with <u>waterproof cement paint</u> of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do. with primer I No 15.53.2/120							
	<u>Outside painting</u>	Sqm						
	Outer length		1	25.80		2.40	61.92	
	Toilet		1	4.50		2.40	10.80	
							72.72	
	<u>Deduction:-</u>							
	D		1	0.90	-	2.10	1.89	
	V		13	0.75	-	0.60	5.85	
	W		1	1.20	-	0.90	1.08	
							8.82	
			8.82	/	2.00	4.41		
	Net Qty =		72.72	-	4.41	68.31		
	Basic Rate	=	102.00					
	6% Area weightage	=	6.12					
	TP =+9.99%		10.80					
	Total	=	118.92			68.31	118.92	

0	K 15-16.3 : Extra for providing and applying every subsequent coat of waterproofing cement paint of approved brand and shade for Item no.15-16.1 cost of materials, labour, complete as per specifications I No 15 53 3/34						
	Extra for two coat Outside painting						
	Outer length		1	25.80		2.40	61.92
	Toilet		1	4.50		2.40	10.80
							72.72
	Deduction:-						
	D		1	0.90	-	2.10	1.89
	V		13	0.75	-	0.60	5.85
	W		1	1.20	-	0.90	1.08
							8.82
				8.82	/	2.00	4.41
		Net Qty =	61.92	-	4.41	57.51	
	Basic Rate	=	34.00				
	6% Area weightage	=	2.04				
	TP =+9.99%		3.60				
	Total	=	39.64			57.51	39.64
							2279.72
31	Providing and applying enamel metal paint two coats (Excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. As Per Direction of Engineer Incharge						
	W-Grill	Sqm	1	1.20		0.90	1.08
	V		13	0.75	-	0.60	5.85
							6.93
						6.93	112.85
							782.05
32	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. -do- with 225mm outer dia I No 11 56 6/77						
		Mtr	15	6.00			90.00
	Basic Rate	=	1909.00				
	6% Area weightage	=	114.54				
	TP =+9.99%		202.15				
	Total	=	2225.69			90.00	2225.69
							200312.25
33	Constructing brick masonry inspection chamber 600 x 600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600 x 600mmAs Per Direction of Engineer Incharge						
		Nos	15				15.00
						15.00	10085.20
							151278.05

34	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, with 110mm outer dia As Per Direction of Engineer Incharge	Mtr	1	40.00			40.00		
							40.00	719.86	28794.50
35	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes As Per Direction of Engineer Incharge	Mtr	1	50.00			50.00		
							50.00	348.05	17402.62
36	Providing and fixing chlorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall)-20mm dia As Per Direction of Engineer Incharge	Mtr	1	35.00			35.00		
							35.00	279.15	9770.41
37	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 As Per Direction of Engineer Incharge	Nos	6				6.00		
							6.00	5887.19	35323.16
38	Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. As Per Direction of Engineer Incharge	Nos	4				4.00		
							4.00	0.00	0.00

Providing Pedestal for wash basin of approved 1st quality and make conforming to ISI specifications and fixing for low down cistern as directed, rate includes cost of materials and conveyance to work spot. As Per Direction of Engineer Incharge								
	Nos	4				4.00		
						4.00	1069.10	4276.41
0 -Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost materials, labor complete as per specifications (As Per Direction of Engineer Incharge								
	Nos	5				5.00		
						5.00	1349.45	6747.23
1 Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P. brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labor complete as per specifications. As Per Direction of Engineer Incharge								
	Nos	8				8.00		
						8.00	877.85	7022.82
2 Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. As Per Direction of Engineer Incharge								
	Eac	25				25.00		
						25.00	205.51	5137.63
13 KSRB 12-5.5 : Constructing <u>brick masonry circular type</u> manhole 1.52 m internal dia at bottom, 2.30m deep and 0.56m dia at top, with table moulded and non-modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 mixed using 40mm and down size granite metal and making necessary channel in cement concrete 1:2:4 mix with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechaneries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4 I No 11.41/74								
	Nos	2				2.00		
Basic Rate	=	45878.00						
6% Area weightage	=	2752.68						
TP =+4.96%	=	2412.08						
Total	=	51042.76				2.00	51042.76	102085.52

44	KSRB 12-6.1 : Providing 20mm square <u>M.S footrest</u> and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6 I No 11.44							2.00	
		Nos	2						
	Basic Rate	=	276.00						
	6% Area weightage	=	16.56						
	TP =+9.99%		29.23					2.00	321.79
	Total	=	321.79						
45	KSRB 12-7.2 : <u>Making connection of drain or sewer line</u> of size 250 to 300mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete M 15 with 20mm and downsize granite metal, cement plastered on both sides of mix 1:3, finished with a floating coat of neat cement, and making necessary channels for the drain, including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS I No 11.47/75							3.00	
		Nos	3						
	Basic Rate	=	2691.00						
	6% Area weightage	=	161.46						
	TP =+9.99%		284.96						
	Total	=	3137.42					3.00	3137.42
46	Providing, fabricating and fixing profiled <u>poly erethane insulated roof</u> of 1,06m width and 7,60m length sheets roof having external sheet of 0.5mm steel with powder coated finish, bottom sheet of 0.4mm steel with powder coated finish. The roofing system shall have water proof over lapping arrangement at the inter section of two sheets the fasting shall be of self tapping screws dia 6.3mm or required length with PVC head along with washer pre-painted aluminium cap unit with build in seal arrangements. The entire roof shall be firmly fasteed to the existing frame I No 38.43/308								
	Roof sheet	Sqm	1	8.50	7.00			59.50	
	Basic Rate	=	2008.00						
	6% Area weightage	=	120.48						
	TP =+9.99%		212.64						
	Total	=	2341.12					59.50	2341.12
47	<u>M S tube</u> (Sl No 301, Code No. 2091) Rate = 220.34/m Adding fixing, labour, painting welding, transportation charges etc., 40% = Rs. 308.48								
		Sqm	10	11.00				110.00	
			15	9.00				135.00	
	Basic Rate	=	308.48					245.00	
	6% Area weightage	=	18.51						
	TP =+9.99%		32.67						
	Total	=	359.65					245.00	359.65

8	Providing and placing on terrace. Polyethylene water storage tanks as per IS 12701 : 1983 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22As Per Direction of Engineer Incharge							
	Nos	4				4.00		
						4.00	8110.93	32443.71
TOILET BLOCK - 20 No's								
	KSRB 200-8 <u>Clearing and grubbing</u> uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials, labour charges complete as per specifications. MORTH Chapter 2 (Page No. 138, I.No.18.11)							
	Sqm	1	18.00	8.00	-	144.00		
Basic Rate	=	10.00						
6% Area weightage	=	0.60						
TP =+9.99%		1.06						
Total	=	11.66				144.00	11.66	1678.89
2	Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, As Per Direction of Engineer Incharge							
	Around	Cum	1	41.40	0.90	1.05	39.12	
	Cross wall		2	14.40	0.90	1.05	27.22	
	do		2x9	0.80	0.90	1.05	13.61	
	Flagging		1	45.20	0.75	0.15	5.09	
	Steps		1	1.50	1.50	0.15	0.34	
	Man hole		1	$(3.14 \times 1.8^2)/4$		2.50	6.36	
							91.73	
							91.73	533.36
								48924.37
3	KSRB 2.3 : <u>Filling available excavated earth</u> (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (P.No.7, I No.2.10)							
	Qty same as vide item no (2)	Cum					91.73	
	Basic Rate	=	201.00					
	6% Area weightage	=	12.06					
	TP =+9.99%		21.28					
	Total	=	234.34				91.73	234.34
								21495.97

4	KSRB 2.5 : Earthwork excavation in soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1 (P.No.7, I No.2.12)						
	<u>Earth filling</u>	Cum	20	1.05	1.25	0.50	13.13
	<u>do</u>		1	14.85	1.55	0.50	11.51
							24.63
	<u>do</u>	=	403.00				
	Basic Rate	=	24.18				
	6% Area weightage	=	42.68				
	TP =+9.99%						24.63
	Total	=	469.86				469.86
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. As Per Direction of Engineer Incharge.						
	Alround	Cum	1	41.40	0.90	0.15	5.59
	Cross wall		2	14.55	0.90	0.15	3.93
	<u>do</u>		2x9	0.80	0.90	0.15	1.94
	Flagging		1	45.20	0.75	0.10	3.39
	Steps		1	1.50	1.20	0.10	0.18
	Flooring Concrete		2x4	1.10	1.25	0.10	1.10
			2x8	1.05	1.25	0.10	2.10
	<u>do</u>		1	14.85	1.55	0.10	2.30
							20.53
							20.53
							6169.91
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. As Per Direction of						
	Flagging	Cum	1	45.20	0.75	0.10	3.39
	Plinth Concrete						
	Alround	Cum	1	41.40	0.45	0.15	2.79
	Cross wall		2	14.85	0.45	0.15	2.00
	<u>do</u>		2x9	1.25	0.45	0.15	1.52
							9.71
							9.71
							6440.75
7	Providing and constructing granite size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. As Per Direction of Engineer Incharge						
	<u>1st Course</u>	Cum					

Alround		1	41.40	0.75	0.45	13.97		
Cross wall		2	14.70	0.75	0.45	9.92		
do		2x9	0.95	0.75	0.45	5.77		
2nd Coarse								
Alround		1	41.40	0.60	0.45	11.18		
Cross wall		2	14.85	0.60	0.45	8.02		
do		2x9	1.10	0.60	0.45	5.35		
						54.21		
						54.21	5459.55	295958.20
3 Providing and Constructing Granite /size stone masonry in Basement with cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete asper specifications. As Per Direction of Engineer Incharge								
Alround	Cum	1	41.40	0.45	0.45	8.38		
Cross wall		2	14.85	0.45	0.45	6.01		
do		2x9	1.25	0.45	0.45	4.56		
						18.95		
						18.95	6513.21	123451.42
9 Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:4 I No 34.13.1/256								
Alround	Cum	1	42.20	-	0.45	18.99		
Basic Rate	=	140.00						
6% Area weightage	=	8.40						
TP =+9.99%		14.83						
Total	=	163.23				18.99	163.23	3099.65
0 Provinding and constructing non load bearing wall with Light Weight Concrete (Autoclaved aerated concrete) Blocks confirming to IS:2185(part-3) 1984 and IS 6441-1972 of compressive strength of 3.0N/sq mm with a thin layer of polymer based jointing solvent for super structure with neccesary scaffolding, curing including cost of all materials, labour, lead& lift etc, complete as per specifications. - do - with 600x200x200mm size Blocks I No 6.32.3/31								
Alround	Sqm	1	41.40	-	2.40	99.36		
Cross wall		2	15.10	-	2.40	72.48		
						171.84		
Deductions								
D		1	0.90	-	2.10	1.89		
D1		20	0.75	-	2.10	31.50		
V		20	0.75	-	0.60	9.00		
						42.39		
		Net Qty =	171.84	-	42.39	129.45		

	Basic Rate	=	1694.00					
	6% Area weightage	=	101.64					
	TP =+9.99%		179.38			129.45	1975.02	
	Total	=	1975.02					
11	Providing and constructing non-load bearing wall with Solid cement concrete solid blocks of size 400x100x200mm having a block density not less than 1800 Kg/m ³ having a minimum average compressive strength of 4.00 N/mm ² confirming to I.S: 2185 (part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 As Per Direction of Engineer Incharge							
	Cross wall	Sqm	9x2	1.50	-	2.40	64.80	
	Front steps		1	1.50	-	1.50	2.25	
	do		1	1.50	-	1.20	1.80	
	do		1	1.50	-	0.90	1.35	
	do		1	1.50	-	0.60	0.90	
	do		1	1.50	-	0.30	0.45	
							71.55	
							71.55	963.38
12	Providing and laying in position plain reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @0.47cum, with superplasticisers @3ltrs confirming to IS9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls(any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. As Per Direction of Engineer Incharge							
	<u>Lintel Concrete</u>	Cum						
	Around		1	41.40	0.20	0.15	1.24	
	Cross wall		2	15.10	0.20	0.15	0.91	
							2.15	
							2.15	7180.81
13	Providing and laying in position Reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and Down Size graded granite metal coarse aggregate @ 0.05865cum and fine aggregate @0.0391 cum, with Super plasticisers @0.225ltrs, machine mixed, well compacted for plain Chajja of 8.5cms. Average thickness, upto ground floor level, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. As Per Direction of Engineer Incharge							
	<u>Chajja Concrete</u>	Cum						
	D	Sqm	1	1.20	-			
	V		20	0.90	-	0.60	0.72	
					-	0.60	10.80	

						11.52		
						11.52	589.19	6787.52
4	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses, plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2As Per Direction of Engineer Incharge							
	<u>Plinth centering</u>							
	Alround	Sqm	1x2	41.40	-	0.15	12.42	
	Cross wall		2x2	14.85	-	0.15	8.91	
	do		4x9	1.25	-	0.15	6.75	
							28.08	
							28.08	425.27
								11941.45
5	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. - As Per Direction of Engineer Incharge							
	<u>Lintel centering</u>							
	Alround	Sqm	1x2	41.40	-	0.15	12.42	
	Cross wall		2x2	15.10	-	0.15	9.06	
							21.48	
							21.48	346.86
								7450.65
6	KSRB 4-6.10 : <u>Providing and removing centering, shuttering,</u> strutting, propping etc., and removal of form work for <u>chajja</u> , corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 I NO 4.37/17							
	<u>Chajja centering</u>							
	D	Sqm	1	1.20	-	0.60	0.72	
	V		20	0.90	-	0.60	10.80	
	Basic Rate	=	323.00				11.52	
	6% Area weightage	=	19.38					
	TP =+9.99%		34.20					
	Total	=	376.58				11.52	376.58
								4338.24
7	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. TMT Bars Fe-500 As Per Direction of Engineer Incharge							
	Lintel	T	2.15	x	150 kg/cum	322.20		
	Chajja		11.52	x	25 kg/sqm	288.00		
						610.20		
						0.61		